



Issue 141 January 7th, 2017

## Top links

### To help with your NPOTA withdrawal

Like NPOTA, WWFF was devised in order to get Amateur Radio ops off their duffs and into the Great Outdoors. I love their catch phrase - "Make nature your shack!"

[AmateurRadio.com](#)

### BY70-1 Satellite camera operating guide

An open telecommand is designed to allow radio amateurs to send commands to take and download an image.

[LilacSat](#)

### Today: KB6NU streaming General Class course

The classes are going to run from 10 am – noon, and will probably run through the end of March.  
[KB6NU](#)

### 80m doublet antenna

Technically, what I have is almost an 80m Doublet – there's about 18m of wire on each “leg” and I've about 20ft of 300-ohm slotted feeder which comes into the Shack and through an FT240-31 choke and then about 30cm of coax to the back of the MFJ-847 tuner.

[M0PZT](#)

### First DMR QSO

Accomplished my first DMR QSO today with K5IMO (thank you Larry!) on the TG3184 TalkGroup for the State of Texas.

[K5ACL](#)

### Propagation prediction tool

Area coverage maps and point-to-point HF propagation predictions.

[G4FKH](#)

### Mystery cosmic radio bursts pinpointed

As the name suggests, Fast Radio Bursts (FRBs) are short-lived - but powerful - pulses of radio waves from the cosmos.

## Automatically recognising digital modes with machine learning

There is a good prospect of using machine learning image recognition for guessing digital modes. Ideally this would be built in to clients but it might make a good app (using the phone camera to capture the unidentified signal) or a web site where you upload a screen shot.

marxy's musing on technology

## Shortwave Pirate Radio 2016 – A Year In Review

Overall, 2016 was another great year for shortwave pirate radio listeners.

RadioHobbyist.org

## The missing Q signals

Some Q signals have never made it to the ARRL's official list.

K3HRN

## Video

### New FM transponder satellite BY70-1

2E0ICL works 2E0SQL via a new amateur radio FM satellite, BY70-1, launched into orbit on 28 December 2016.

YouTube

### How to install powerpole connectors

I introduce you to Anderson Powerpole connectors and how to solder and crimp the connector pins. This connector has become a standard among Amateur Radio operators.

K7AGE

### Contact via UHF ISS Digipeater

For this video I recorded the audio from my Kenwood TH-D72a and later played it back to Soundmodem+UISS. Soundmodem decodes many more packets than my radio does. I made a screen capture of UISS and its map so you can see the complete details of every received packet.  
KG4AKV

### Maclogger DX walk-through

Is there a Mac in your Shack? This time I'm looking at the Maclogger DX logging software and rig control for the Mac platform.

K6UDA

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Thank you for reading.

73

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